



09259395

VT0297-US1  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 6,792,310 B1  
Issued: September 14, 2004  
Name of Patentee: Robert Turcott and Casey O'Hara  
Title of Invention: Methods, Systems and Devices for Optimizing Cardiac Pacing Parameters

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313  
ATTENTION: Decision and Certificate of Correction  
Branch of the Patent Issue Division

Certificate  
OCT 21 2004

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 CFR 1.322 (a))

1. Attached in duplicate is Form 1050 with at least one copy being suitable for printing.

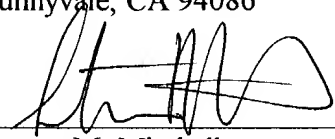
2. The exact column and line number where the errors are found in the patent are:

In the Claims:

In Claim 1, subheading (c), please replace "in renting" with -- incrementing --.

3. Please send the Certificate to: Steven M. Mitchell  
Pacesetter, Inc.  
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Assignment recorded on January 12, 2001  
Reel 011494/0166

21 OCT 2004

***What Is Claimed Is:***

1. A method for improving cardiac performance associated with a current set of N pacing parameters by adjusting the N cardiac pacing parameters, where N is an integer greater than one, the method comprising the steps of:

(a) determining cardiac performance associated with the current set of N pacing parameters;

(b) repeating steps (c) through (e) for  $i = \text{one to } N$ , where  $i$  represents which of the N pacing parameter is being adjusted;

(c) incrementing an  $i^{\text{th}}$  pacing parameter in the current set of N pacing parameters based on a corresponding  $i^{\text{th}}$  increment value to thereby produce an  $i^{\text{th}}$  set of test pacing parameters;

(d) determining a cardiac performance associated with the  $i^{\text{th}}$  set of test pacing parameters;

(e) updating the  $i^{\text{th}}$  increment value based on the cardiac performance associated with the  $i^{\text{th}}$  set of test pacing parameters; and

(f) updating the current set of N pacing parameters based on the updated increment values determined in step (e).

2. The method of claim 1, wherein step (e) comprises the step of updating the  $i^{\text{th}}$  increment value based on the difference between the cardiac performance associated with the current set of N pacing parameters and the cardiac performance associated with the  $i^{\text{th}}$  set of test pacing parameters.

3. The method of claim 1, wherein step (e) comprises the step of updating the  $i^{\text{th}}$  increment value based on:

the  $i^{\text{th}}$  increment value used in step (c), and

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It is certified that error appears on the above-identified patent and that said Letters Patent is hereby corrected as shown below:

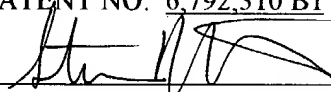
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FORM PTO 1050 (REV.)  
Mailing Address of Sender:

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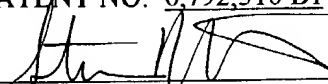
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